



## BiodosEPR-2006

2nd International Conference on Biodosimetry and  
7th International Symposium on EPR Dosimetry and Applications  
10-13 July 2006  
Uniformed Services University of the Health Sciences (USUHS)  
Bethesda, Maryland, USA

BiodosEPR-2006 HOME

**Monday, 10 July 2006**

Session	Speaker	Title	
8:00 <b>Registration</b>			
8:30 <b>Welcome</b>	Dr. Anne Skinner		
8:40 <b>USUHS Welcome</b>	Dean L. W. Laughlin, MD, Ph.D.		
8:45 <b>Announcements</b>	LCDR Chad Mitchell		
9:00 <b>Consensus Sessions Introduction</b>	Dr. Thomas Tenforde, NCRP	Consensus Sessions: Structure & Purpose	
9:15 <b>Keynote Talks Chair: Dr. Tenforde</b>	Dr. Narayani Ramakrishnan	NIAID - CMCR Initiative	S-1
9:30	Dr. Dieter Regulla	ESR – Global Player in Dosimetry	S-2
9:45			
10:00			
10:15 <b>Morning Break</b>			
10:30			
10:45 <b>Session A: Fundamentals of EPR Dosimetry</b>	Dr. Gareth Eaton (Plenary Speaker)	Electron Spin Relaxation Times of Radiation-Induced Defects in Teeth	A-1
11:00	Nagy	Accuracy Considerations in EPR Dosimetry, Part 2—Regression-Related Aspects	A-2
11:15	S. Eaton	Rapid-Scan EPR: A New Magnetic Resonance Method with Potential Application to Dosimetry	A-3
11:30	Hyrien	Profile likelihood for dose estimation in radiation dosimetry studies	A-4
11:45			
12:00 <b>Lunch &amp; Posters</b>	Poster Session 1	Dating: Dolo, Teng Tooth Enamel: Borysheva, Egersdörfer, Güttler, Rudko, Sholom, Sullasi, Toyoda, Wieser Alanine: Chen, DeAngelis, LeBlanc New Materials: Borgonove, DaCosta Ludwig, Tatum, Tiexiera, Melo New Technologies: Grinberg, Hirata, Kmiec, Pass, Punchard, Sucheta	P-1,2 P-3..10 P-11..13 P-14..18 P-19..24
12:15			
12:30			
12:45			
13:00			
13:15			
13:30 <b>Session B: Archaeological and Geological Dating</b>	Shin Toyoda	Tribute to Motoji Ikeya	B-1
13:45	Skinner	ESR Analyses for the Paleolithic Hominid Site at Obi-Rakhmat, Uzbekistan: Solving a Dating Controversy	B-2
14:05 <b>Chair: Dieter Regulla</b>	Watanabe	Chemical Process to Separate Magnetite Particles in Pottery Sample for ESR Dating	B-3
14:25	Blackwell	ESR Analyses for the Paleolithic Site at Attirampakkam, India: Clues to Complex U Uptake and Paleoenvironmental Change	B-4
14:40	Usami	Decay of the ESR signals in quartz by the high speed friction experiments: Basis for dating of fault movements	B-5
14:55	Baffa	On the Influence of Carbonate Calcite Contamination on ESR Dating	B-6
15:10	Dolo	Comparison of ED values from fossil tooth enamel samples from Pleistocene period using various weighting protocols	B-7
15:30 <b>Session C: Intercomparison Studies</b>	Hoshi	Interlaboratory comparison on Tooth Enamel Dosimetry on Semipalatinsk Region: Part 1, General View	C-1
15:45 <b>Chair: Vadim Chumak</b>	Ivannikov	Interlaboratory comparison on Tooth Enamel Dosimetry on Semipalatinsk Region: Part 2, Effect of Spectra Processing Procedure	C-2
16:00	Khvostunov	The Assimilation of Cytogenetic, ESR and Biochemical Assays For Highly Exposed Victims	C-3
16:15 <b>Afternoon Break</b>			
16:30 <b>Session D: Fundamental Studies on Tooth Enamel</b>	Paola Fattibene	Dosimetric properties of the incisor teeth. Part 1: Influence of sample mass on dose estimate	D-1
16:45 <b>Chair: Bonnie Blackwell</b>	Nakamura	A method to differentiate between the levels of ESR signals induced by sunlight and by ionizing radiation in teeth from atomic bomb survivors	D-2
17:00	Khailov	Enhancement of the EPR sensitivity of tooth enamel to neutrons at irradiation in the human head phantom	D-4
17:15	Baran	Temperature-stimulated transformation of radiation induced CO <sub>2</sub> in tooth enamel plates	D-5
17:30	Kirillov	Analysis of EPR tooth enamel spectra exposed to combined radiation and mechanical effects	D-6
17:45 <b>Close Conference</b>			